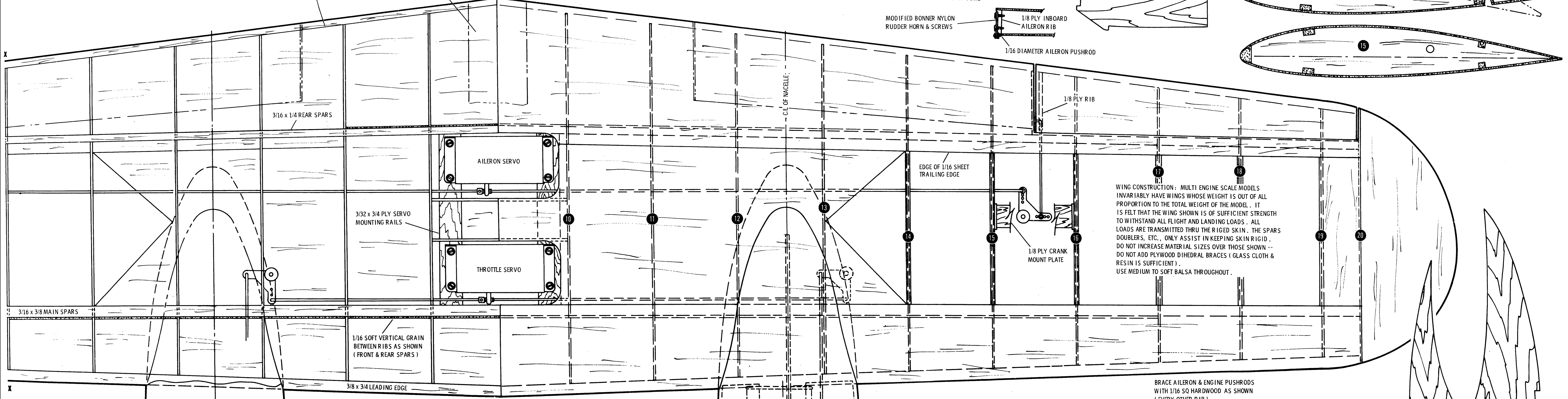
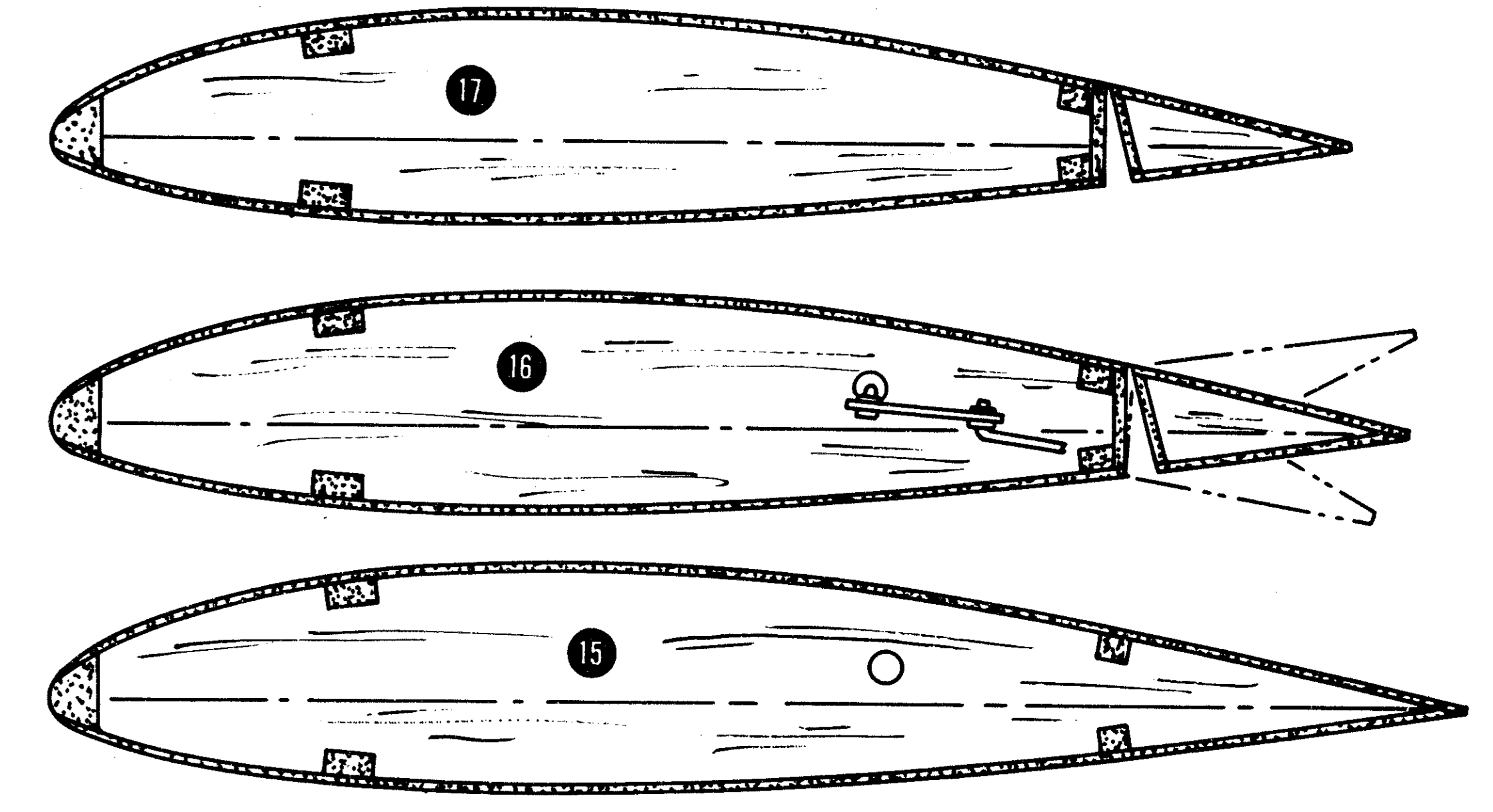
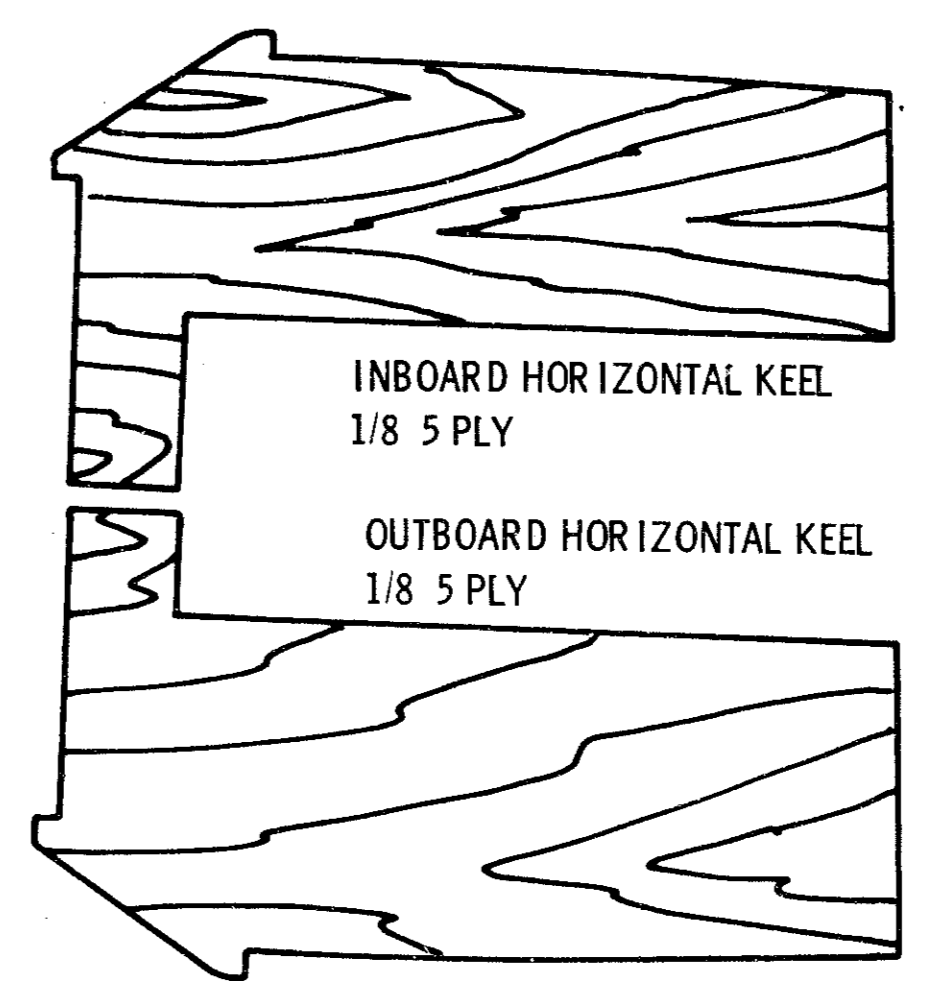
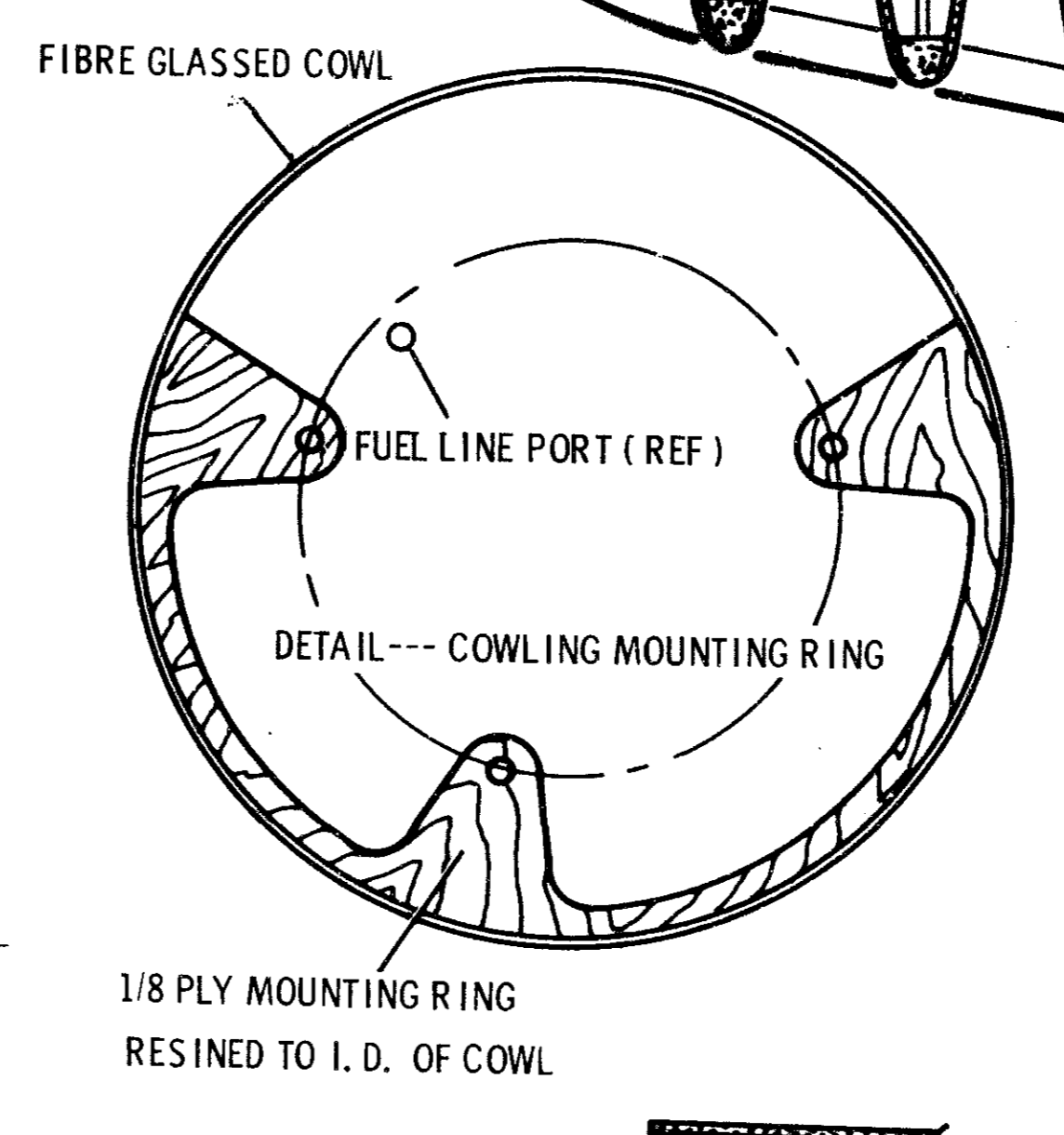
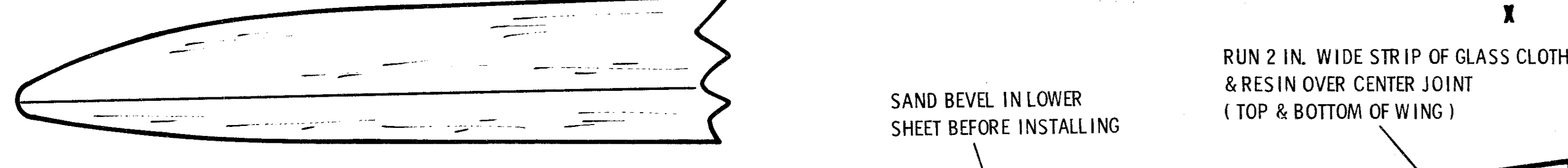
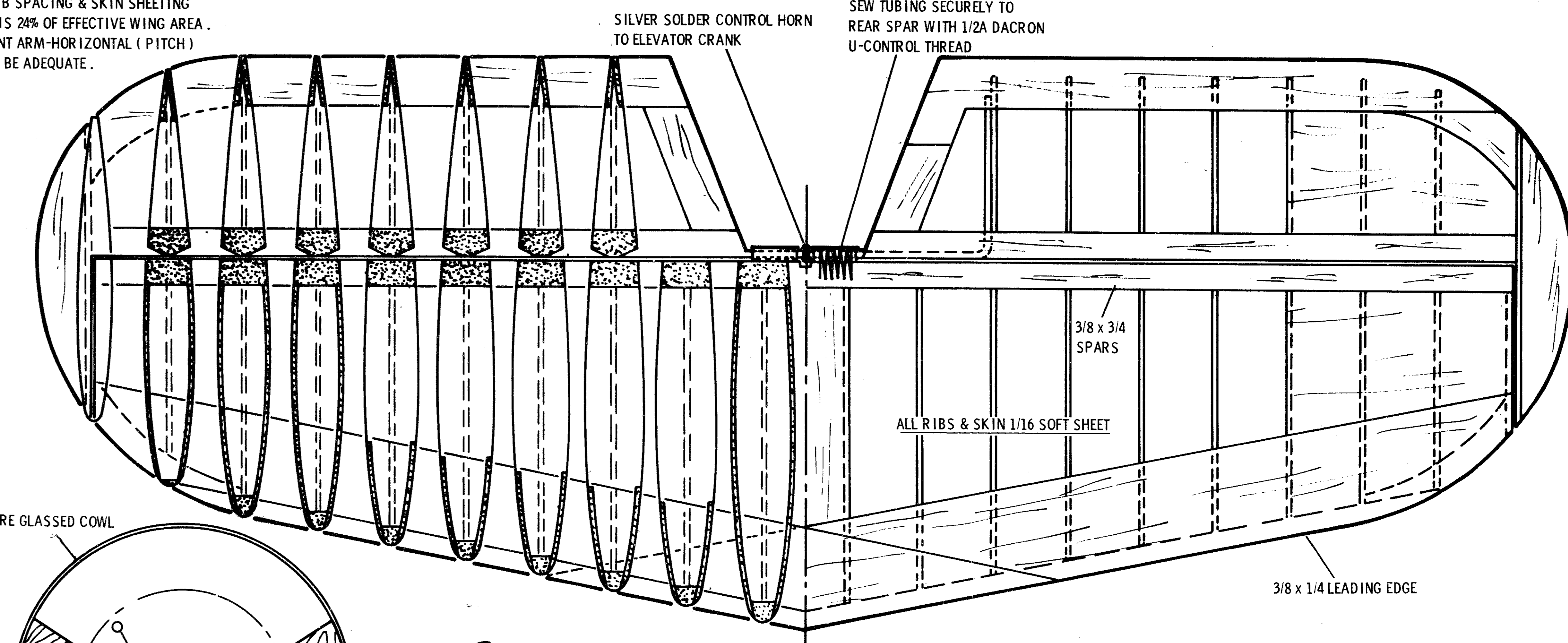
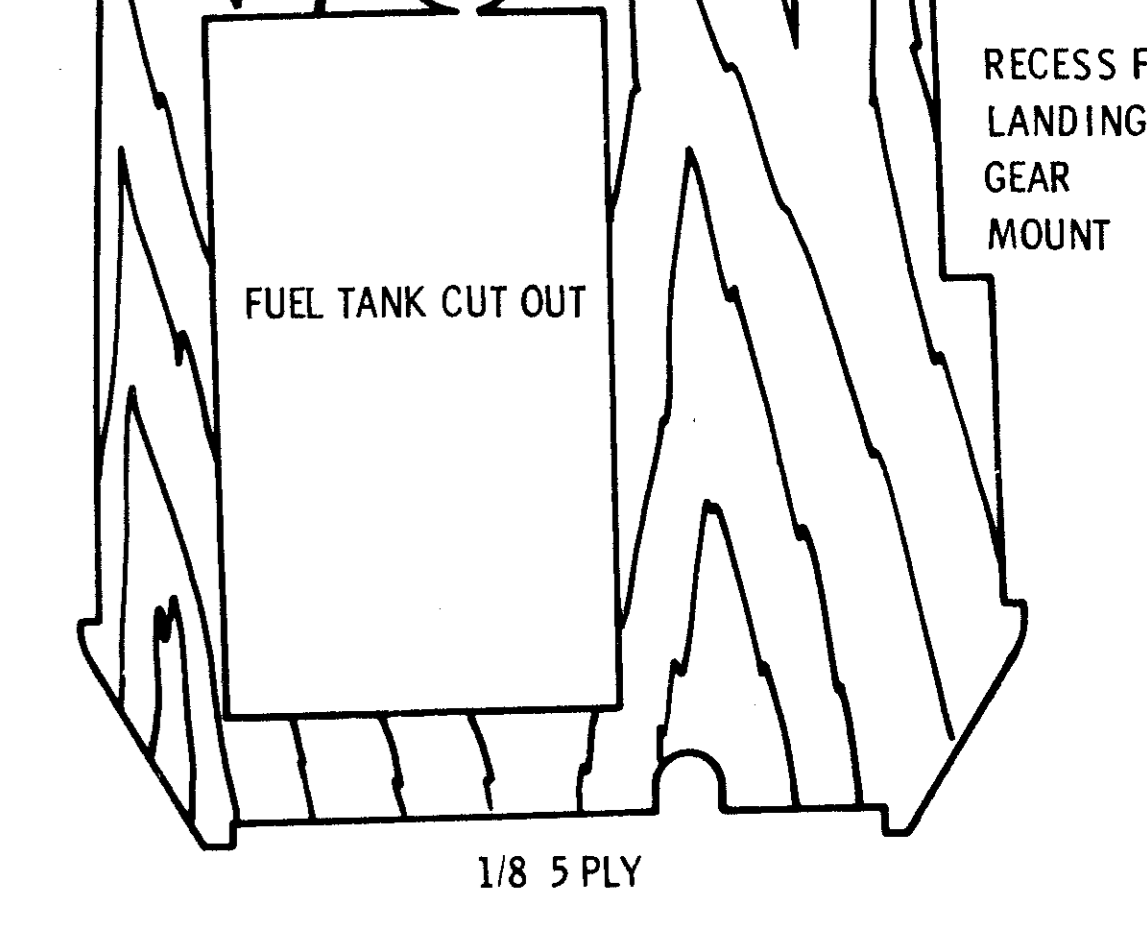
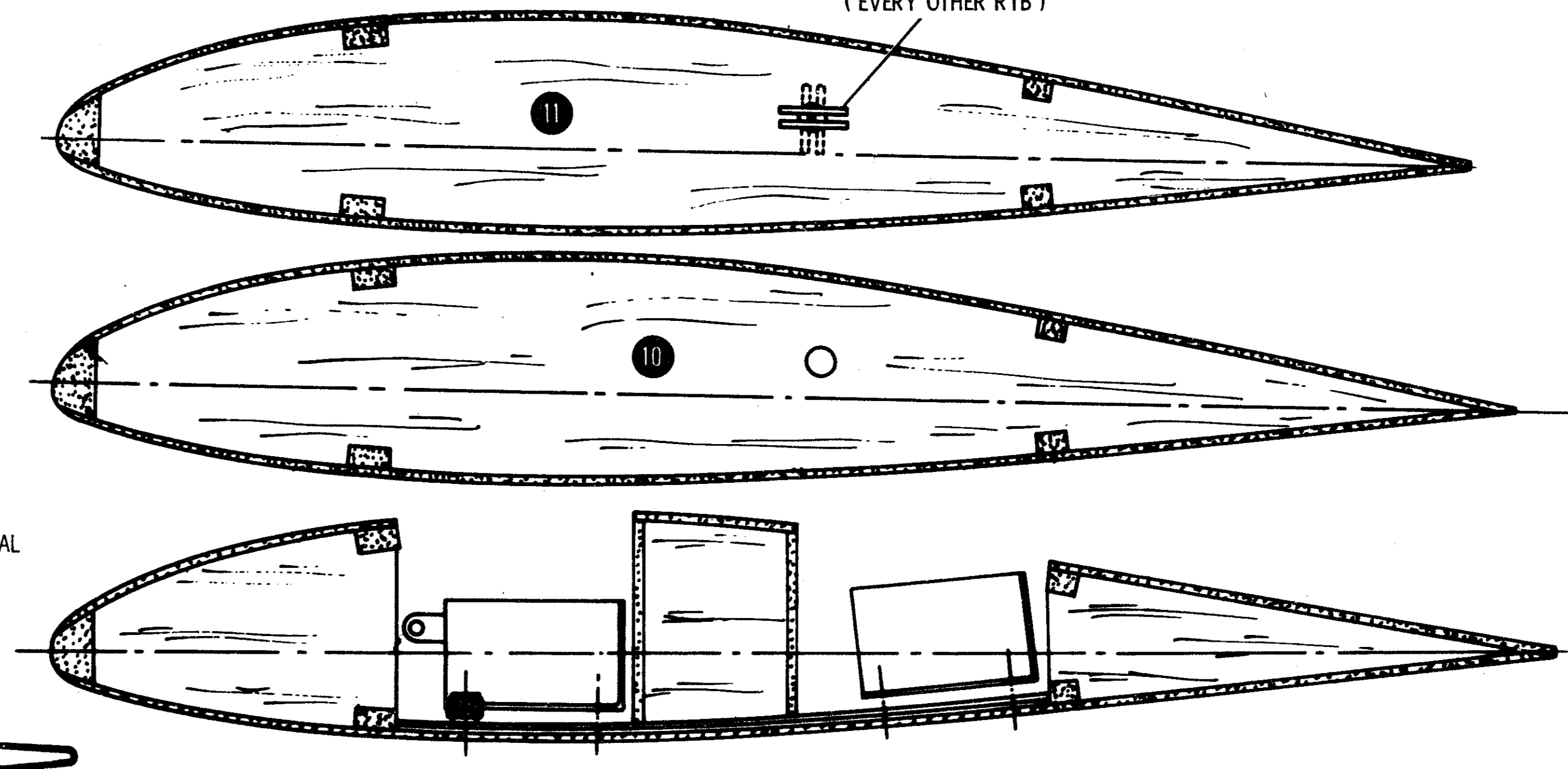
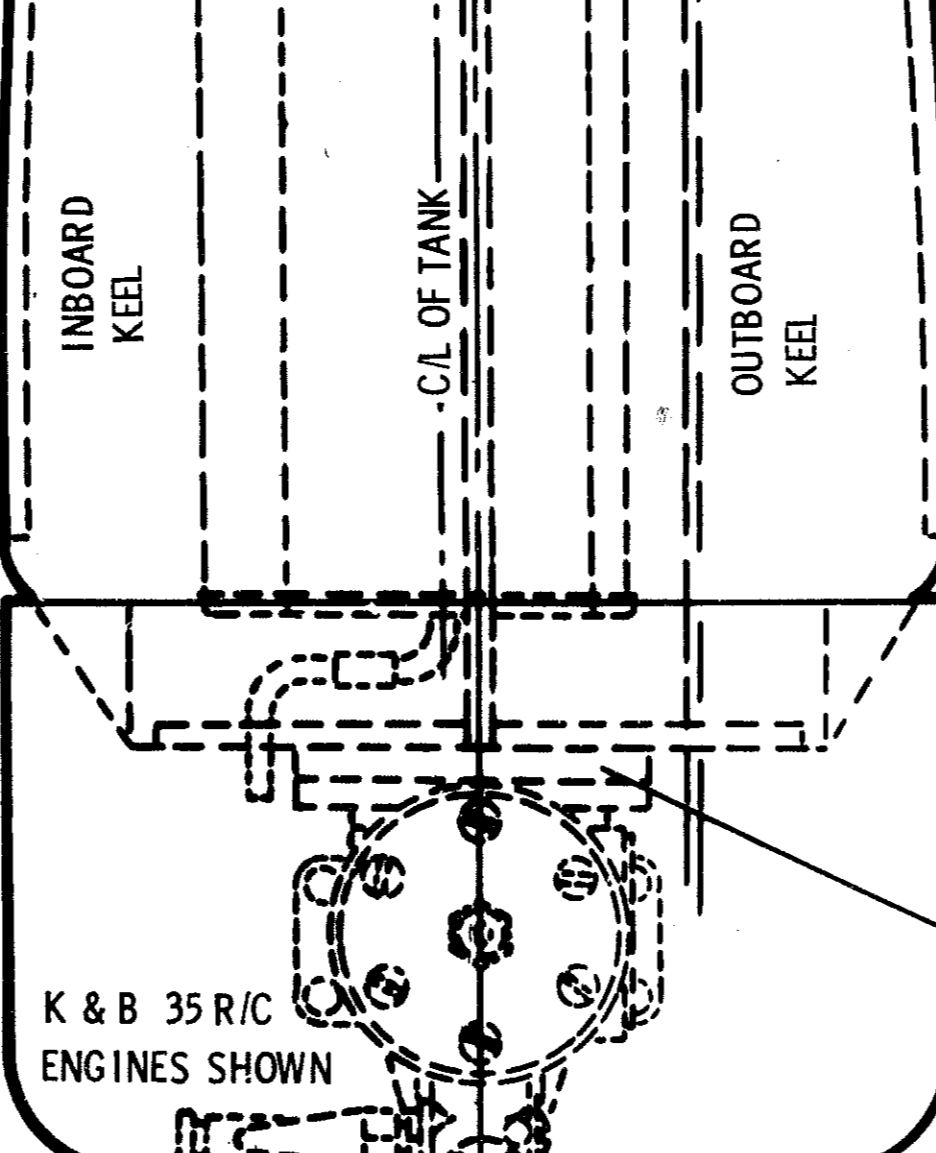
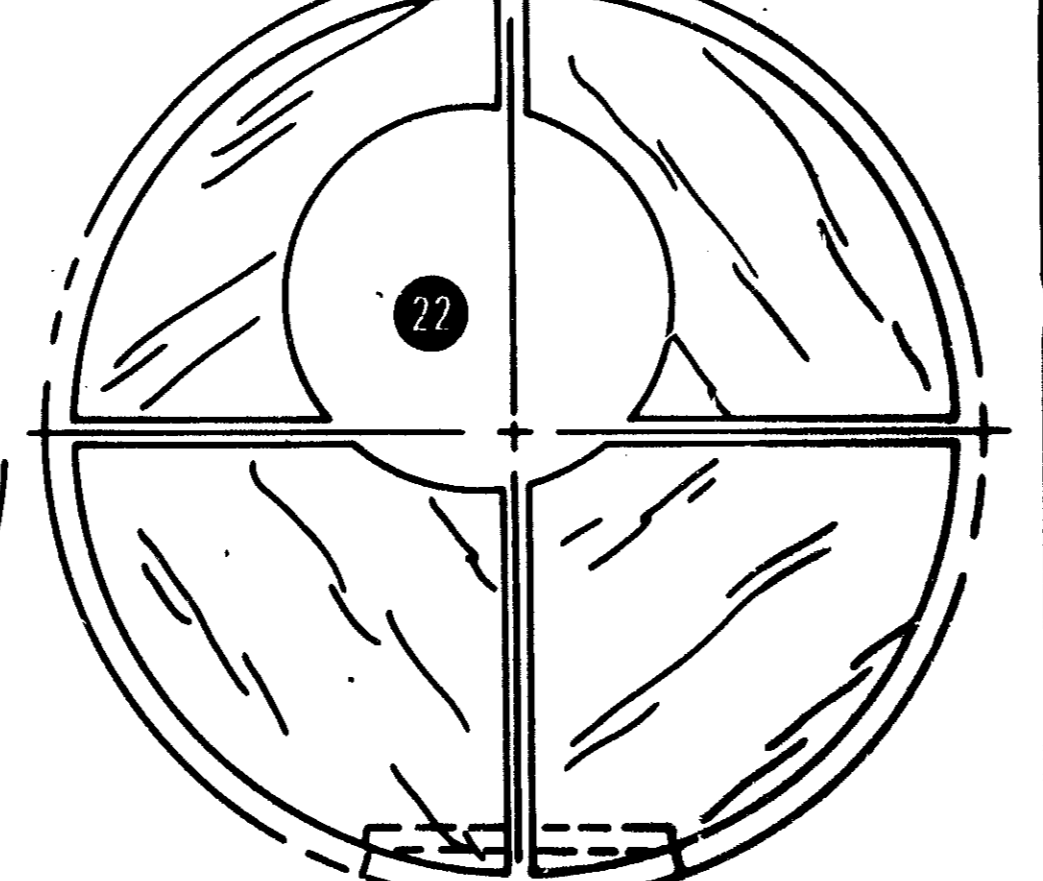
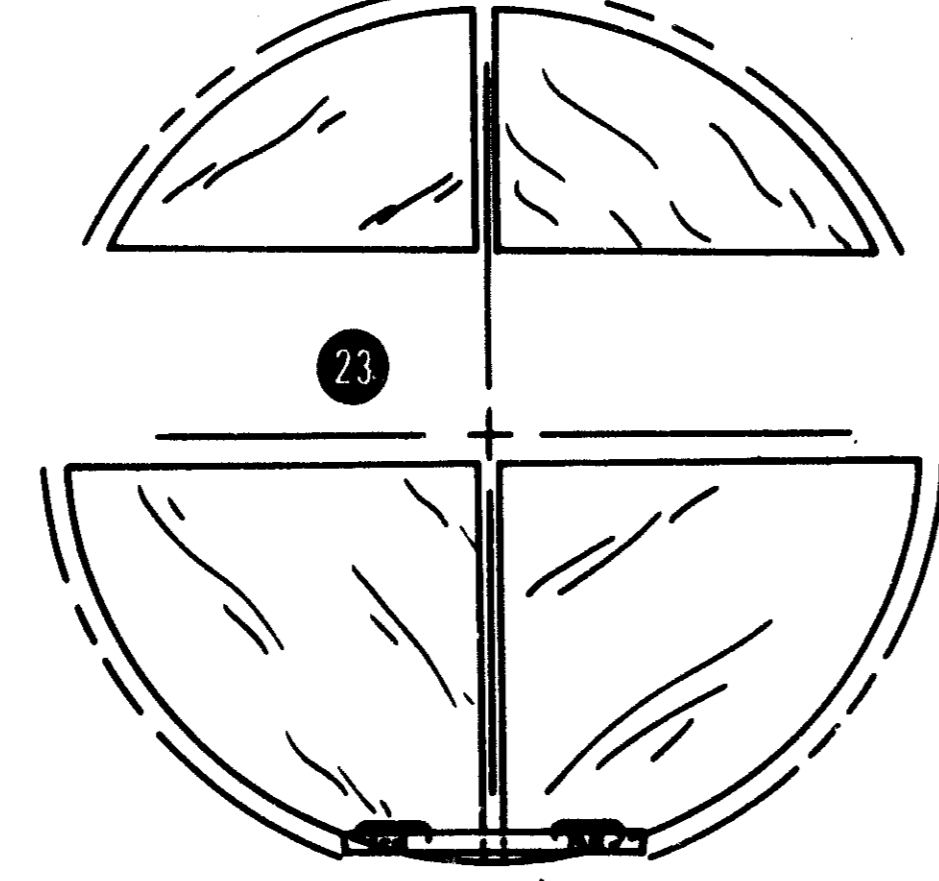
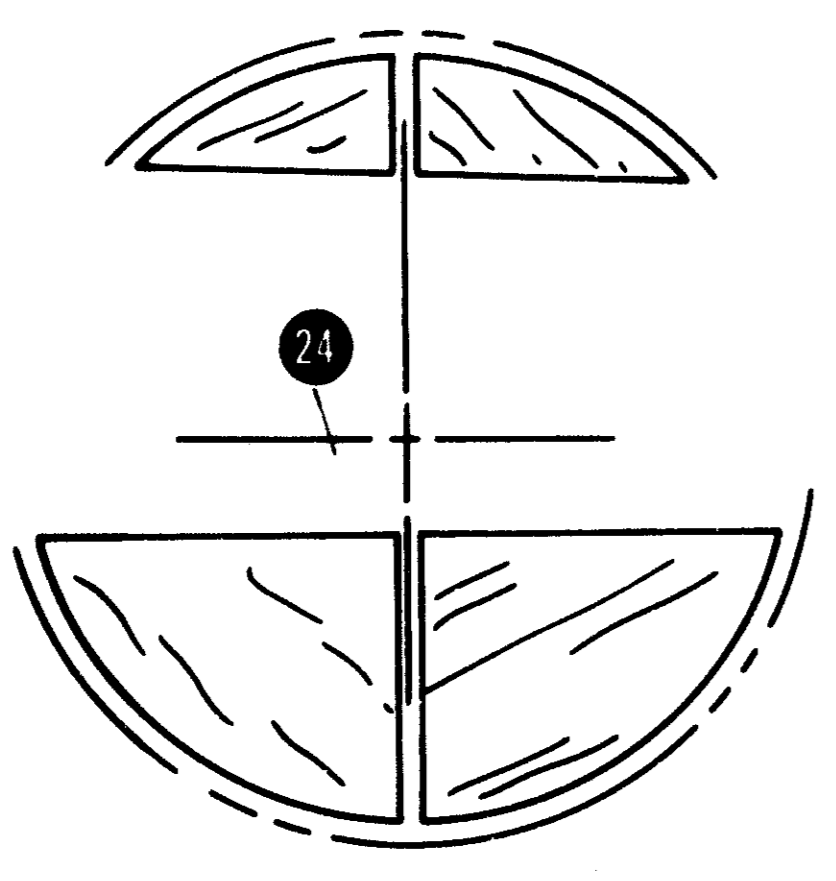
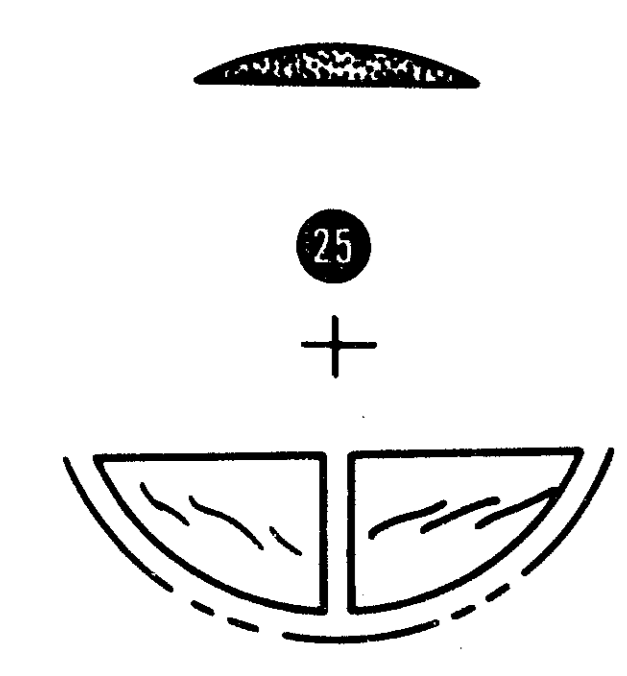


STABILIZER & ELEVATOR RIB SPACING & SKIN SHEETING ARE EXACT SCALE. AREA IS 24% OF EFFECTIVE WING AREA. WITH THE LONG TAIL MOMENT ARM-HORIZONTAL (PITCH) STABILITY IS EXPECTED TO BE ADEQUATE.



WING CONSTRUCTION: MULTI ENGINE SCALE MODELS INvariably HAVE WINGS WHOSE WEIGHT IS OUT OF ALL PROPORTION TO THE TOTAL WEIGHT OF THE MODEL. IT IS FELT THAT THE WING SHOWN IS OF SUFFICIENT STRENGTH TO WITHSTAND ALL FLIGHT AND LANDING LOADS. ALL LOADS ARE TRANSMITTED THRU THE RIGID SKIN. THE SPARS DOUBLERS, ETC., ONLY ASSIST IN KEEPING SKIN RIGID. DO NOT INCREASE MATERIAL SIZES OVER THOSE SHOWN -- DO NOT ADD PLYWOOD DIHEDRAL BRACES (GLASS CLOTH & RESIN IS SUFFICIENT). USE MEDIUM TO SOFT Balsa THROUGHOUT.

- NACELLE ASSEMBLY SEQUENCE
1. POSITION VERTICAL KEEL ON WING & CEMENT
  2. INSTALL MODIFIED TANK IN KEEL



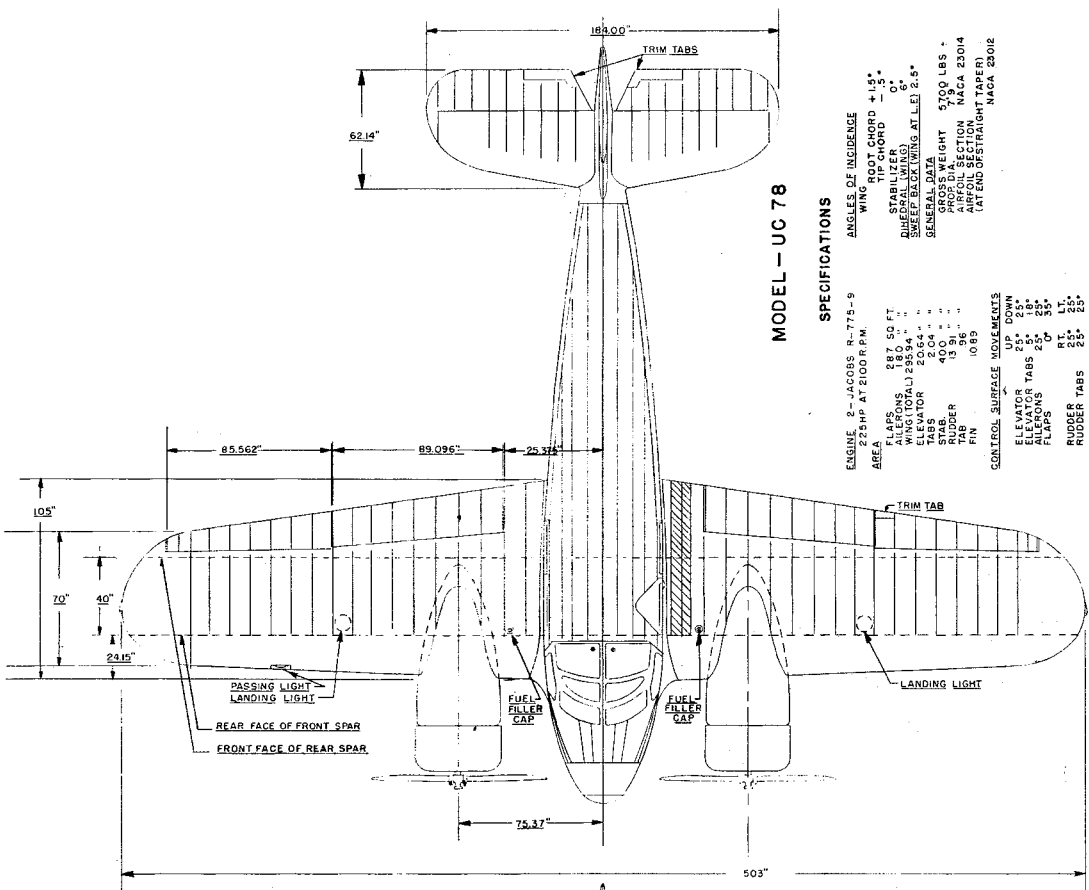
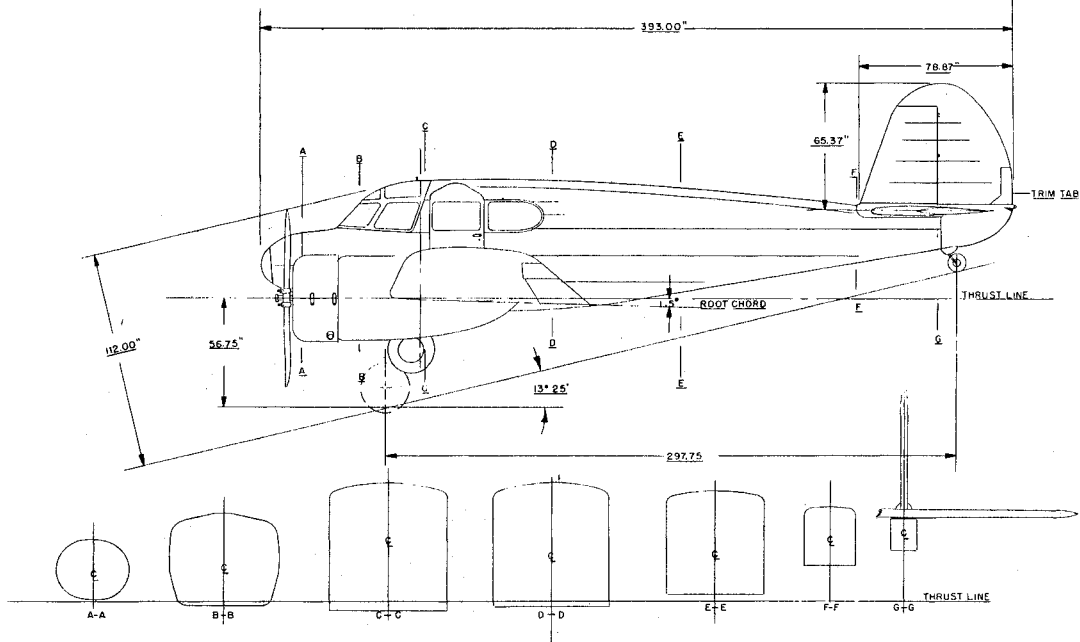
3. INSTALL HORIZONTAL KEELS & CEMENT TO TANK & WING
4. INSTALL FIREWALL & LANDING GEAR MOUNT
5. PAINT ALL JOINTS WITH EPOXY RESIN
6. PLANK NACELLES WITH 1/8 x 3/8 SOFT STRIPS

OPPOSITE ENGINE EQUIPPED WITH K & B REVERSE PORTED CRANKSHAFT USE TORNADO 10 - 6 R.H. & L.H. PROPS TORQUE EFFECT IS ELIMINATED IN THIS MANNER

LANDING GEAR MOUNT IS EPOXIED TO BULKHEAD KEEL & ADJACENT PLANKING-- 4-40 BLIND NUTS INSTALLED TO MATCH MODIFIED DEBOLT RC-7 NOSE GEAR--- PLANKING CAN THEN BE COMPLETED.

10 - 6 R.H. ROTATION PROP

10 - 6 L.H. ROTATION PROP



**MODEL - UC 78**

**SPECIFICATIONS**

- ENGINE 2 - JACOBS R-775-9
- AGE 225HP AT 2100R.P.M.
- WING ROOT CHORD +15°
- TIP CHORD -.5°
- ASTAR (AT L.E.) 6°
- DIMENSIONAL (WING) 6°
- SWEPT BACK (WING AT L.E.) 2.5°
- GENERAL DATA
- PROPS. W. WEIGHT 5700 LBS.
- AIRFOIL SECTION NACA 23014
- (AT END OF STRAIGHT TAPER)
- NACA 23012
- CONTROL SURFACE MOVEMENTS
- ELEVATOR UP DOWN
- ELEVATOR TABS 25° 18°
- AILERONS 25° 18°
- FLAPS 25° 18°
- RUDDER RT. LT. 25° 25°
- RUDDER TABS 25° 25°

